

FIG. 1



FIG. 2A Prior Art

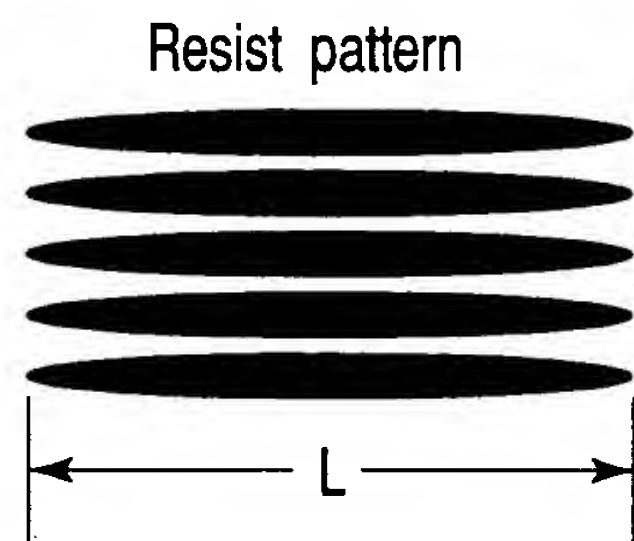


FIG. 2B Prior Art

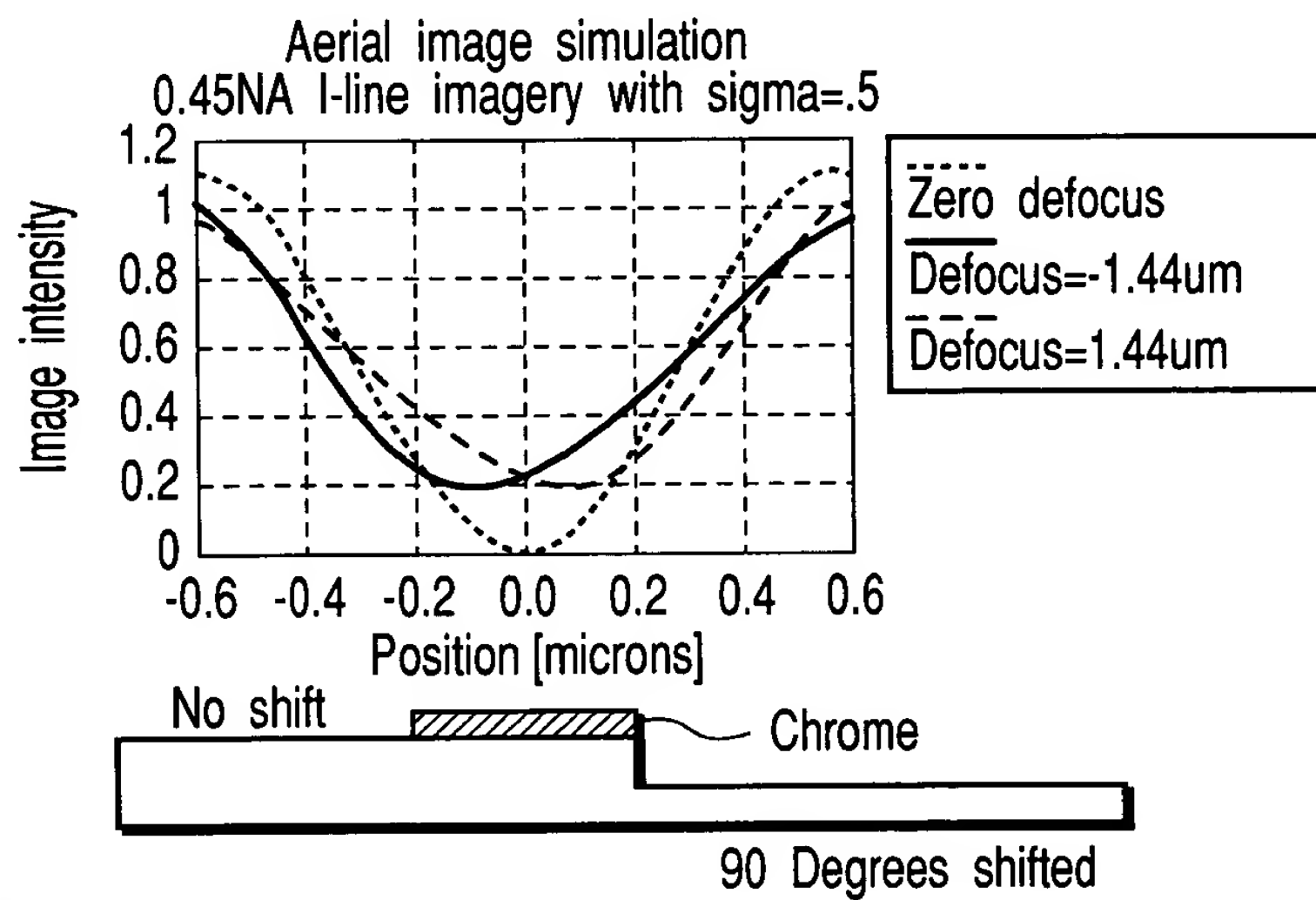
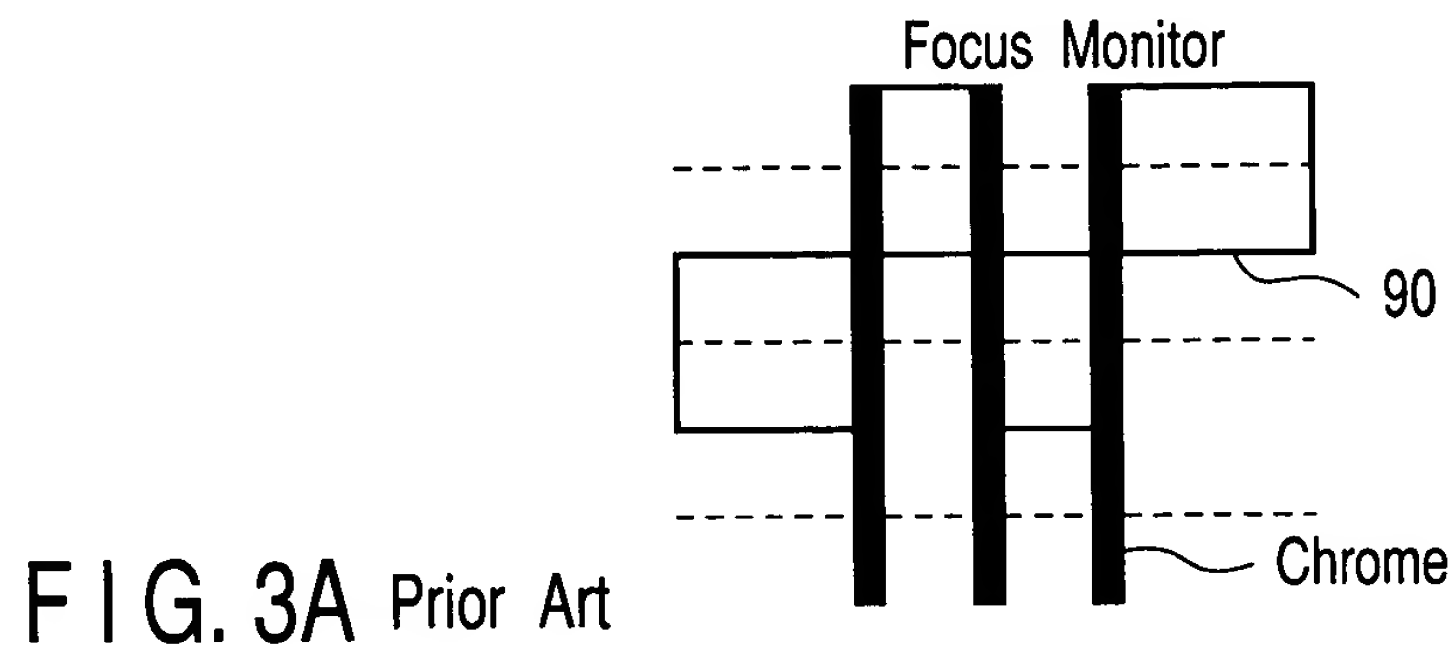


FIG. 3B Prior Art

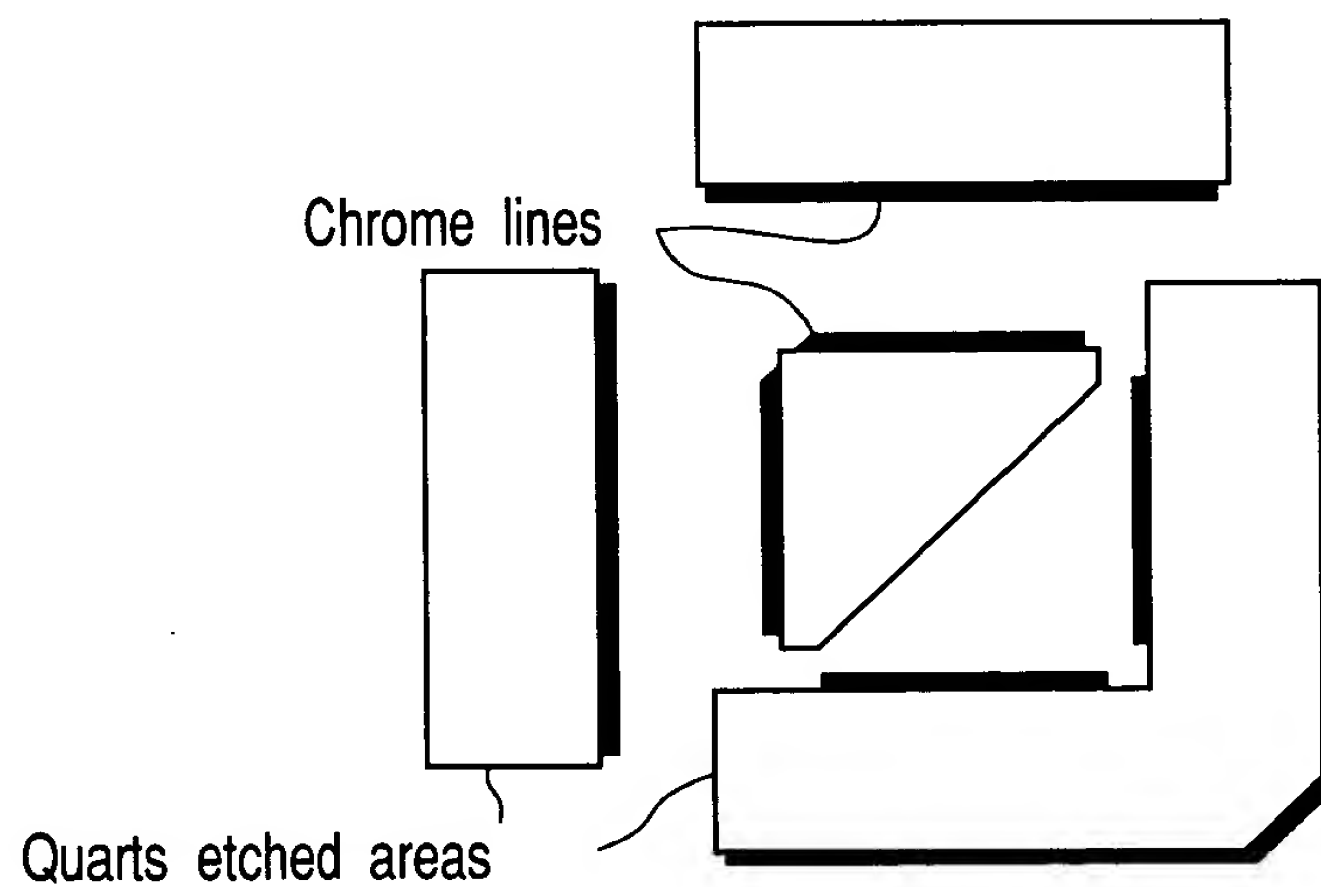


FIG. 4 Prior Art

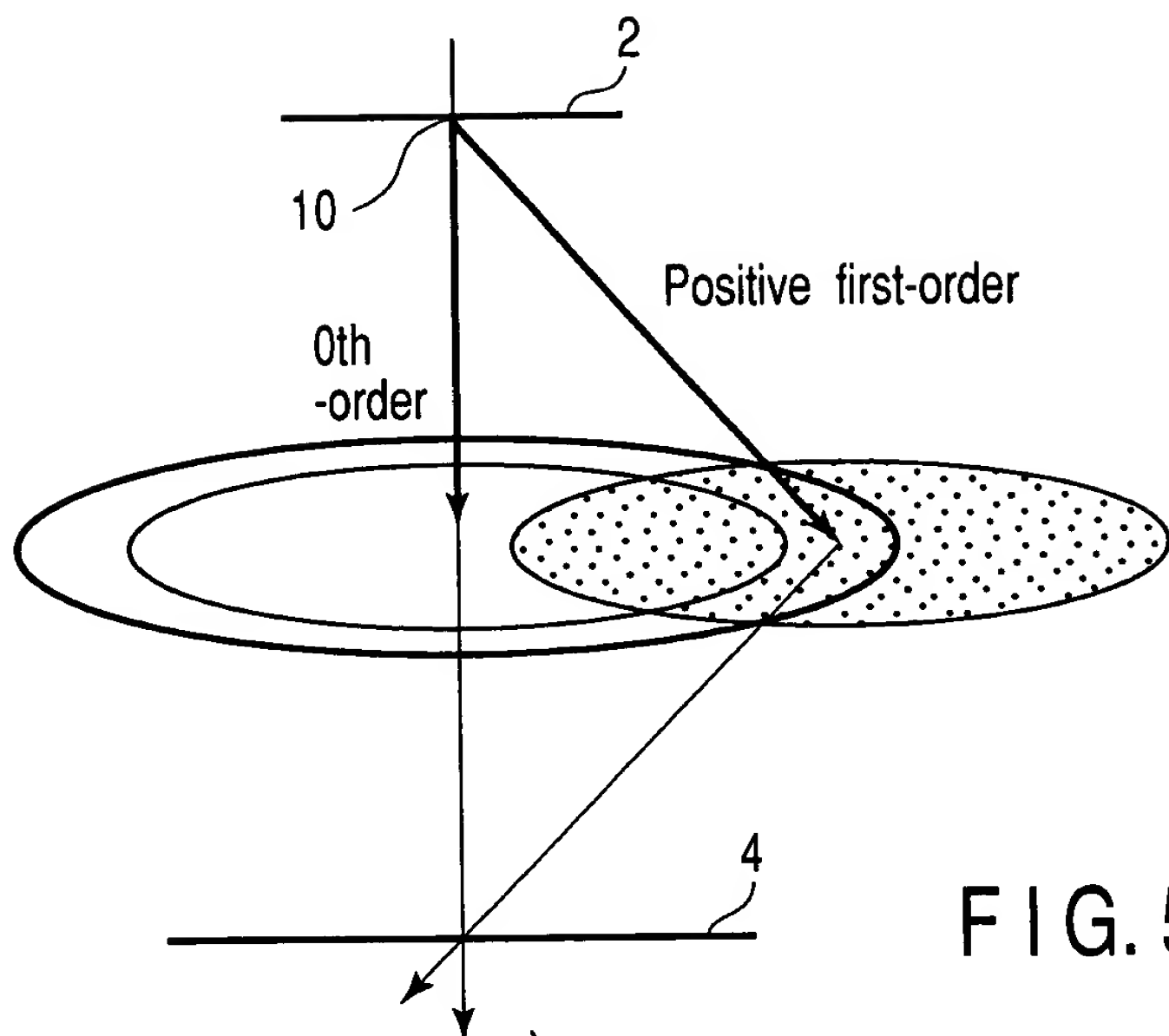


FIG. 5A

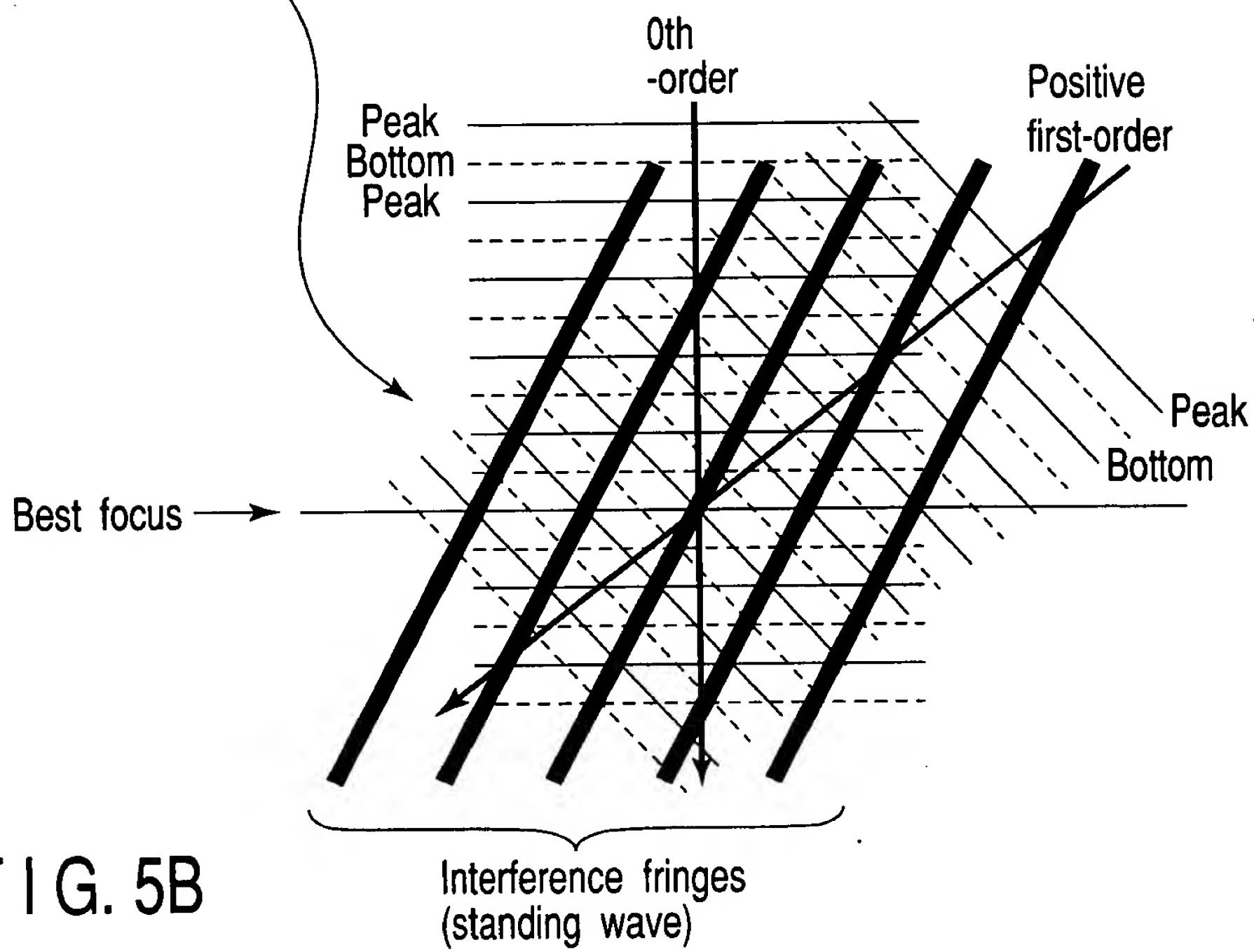


FIG. 5B

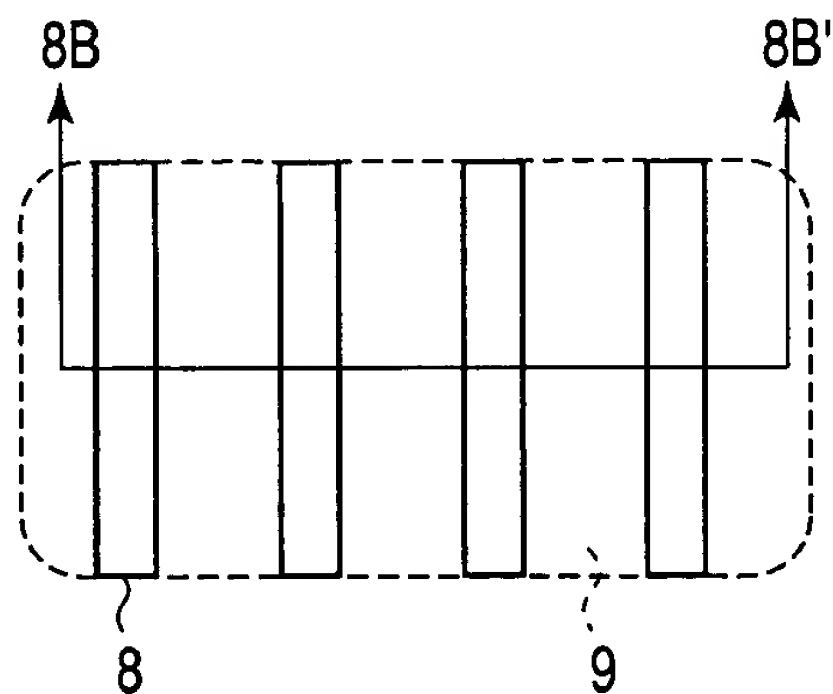


FIG. 8A

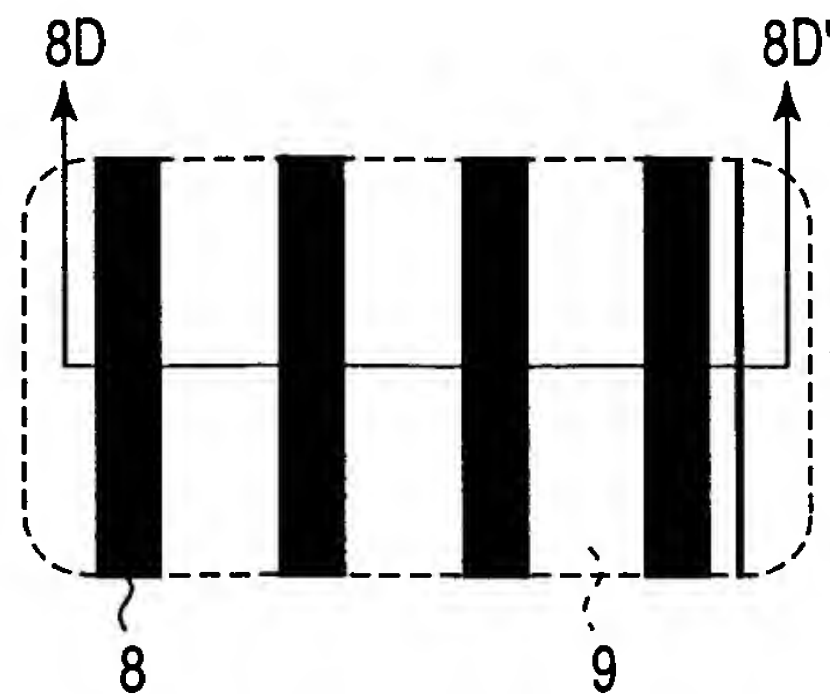


FIG. 8C

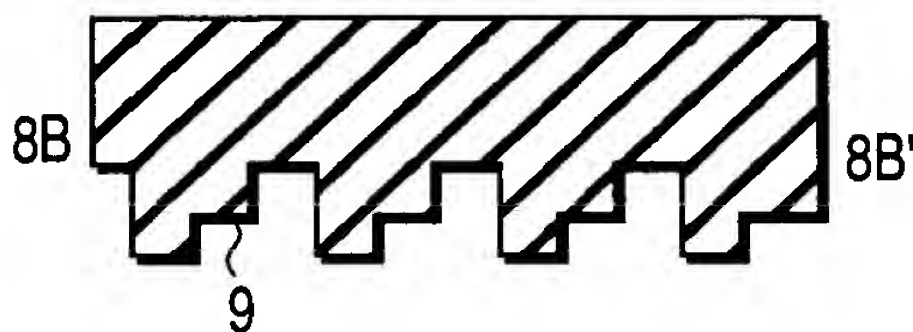


FIG. 8B

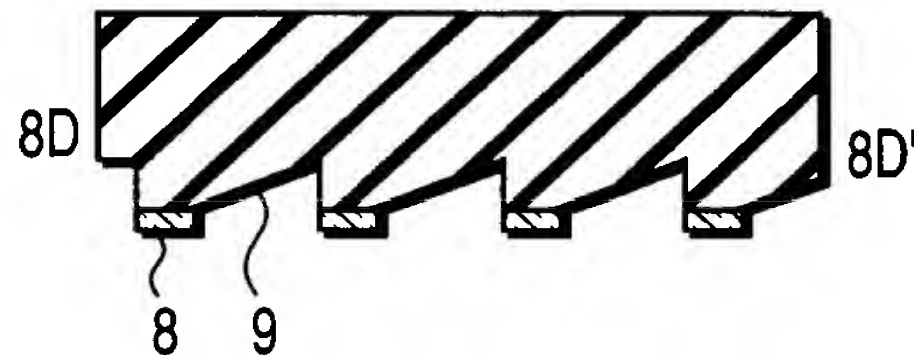


FIG. 8D

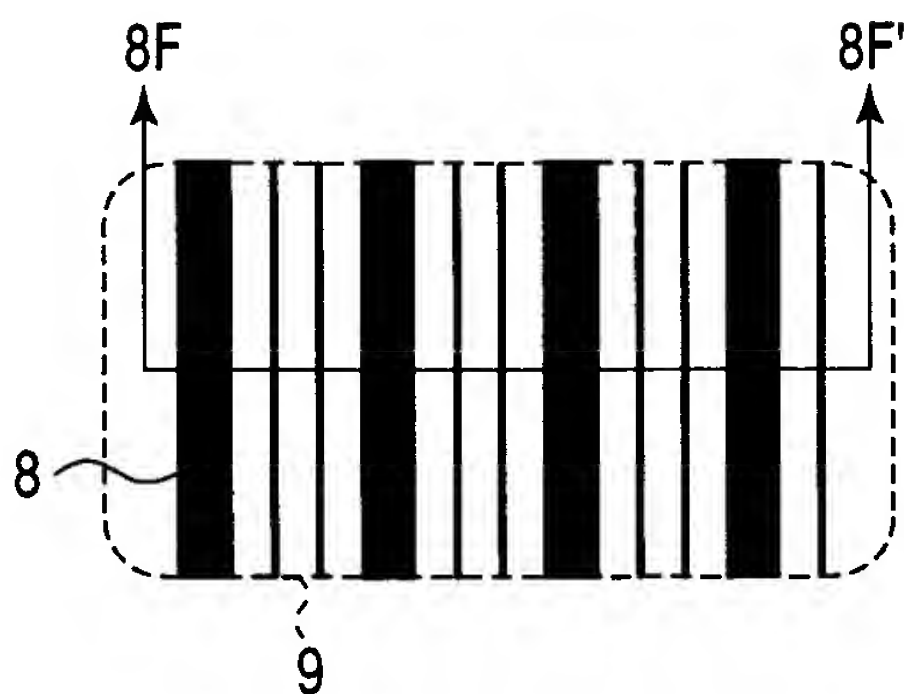


FIG. 8E

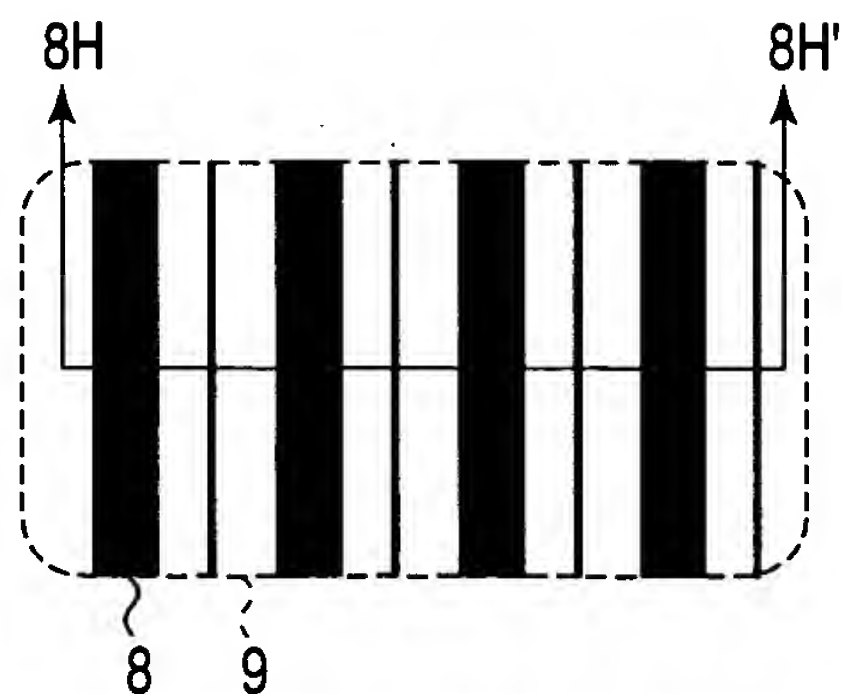


FIG. 8G

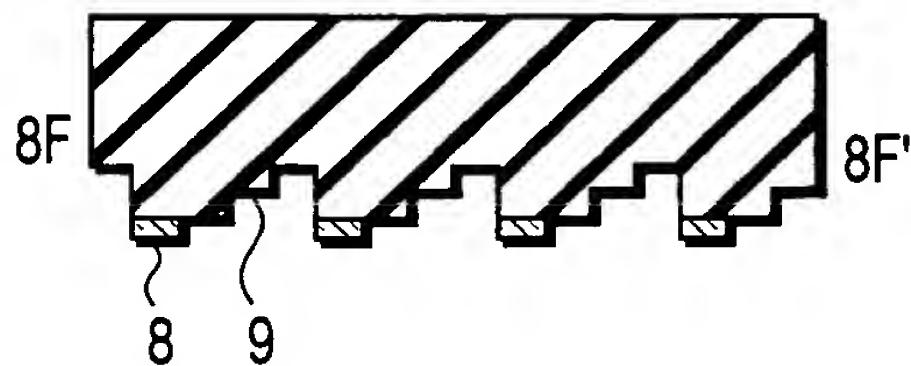


FIG. 8F

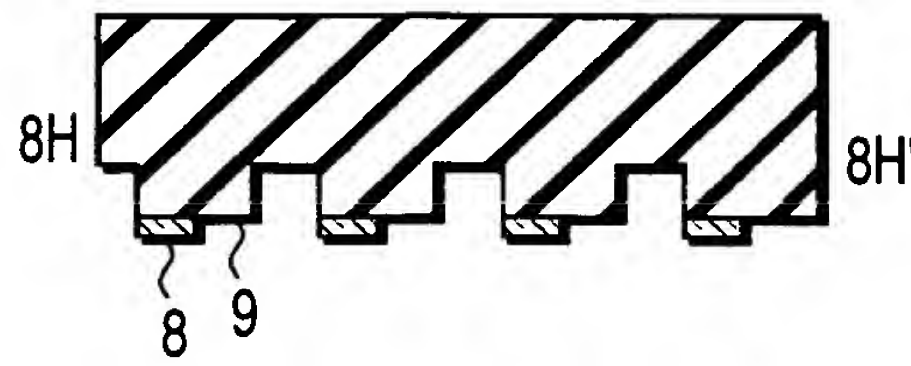


FIG. 8H

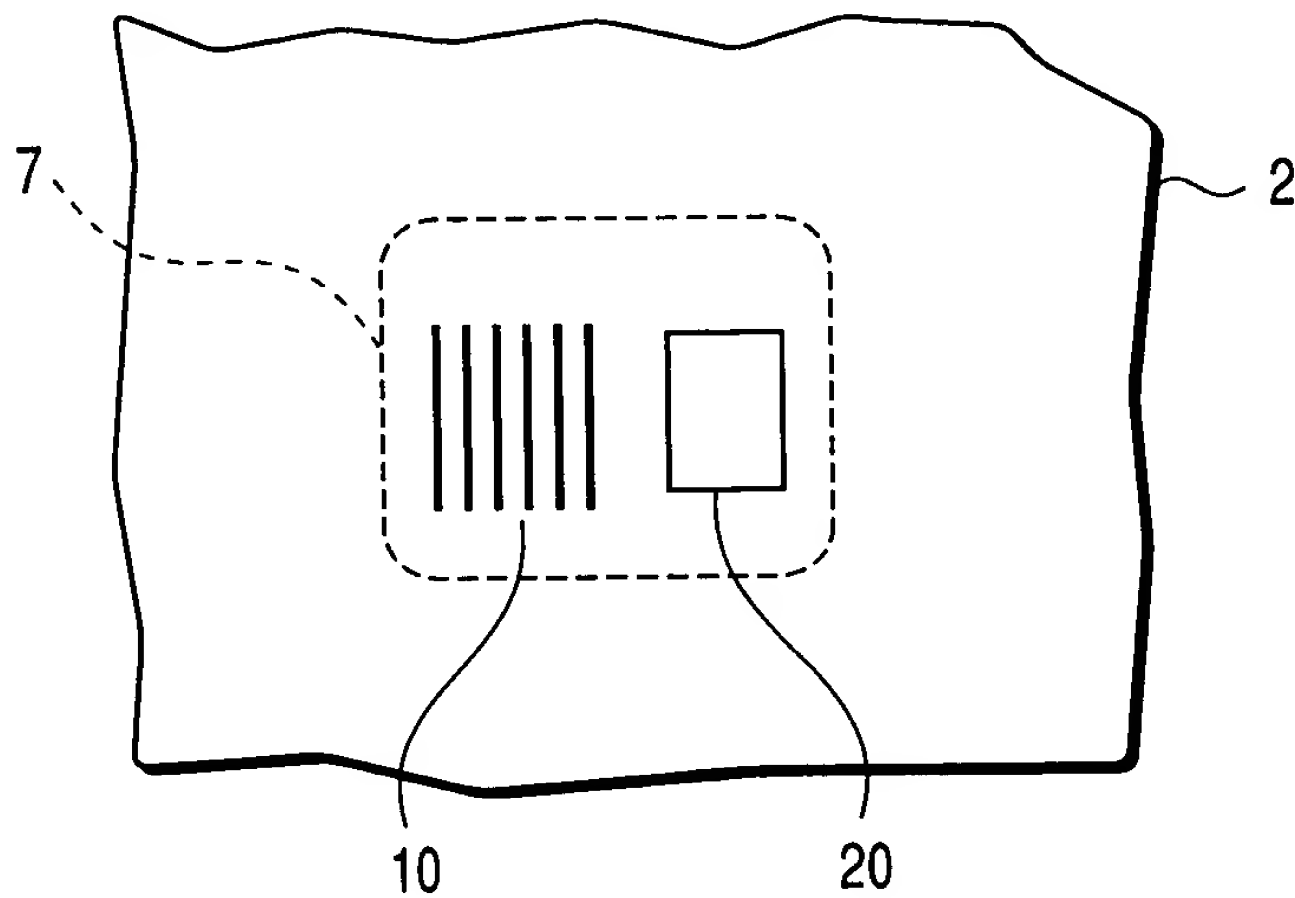


FIG. 6

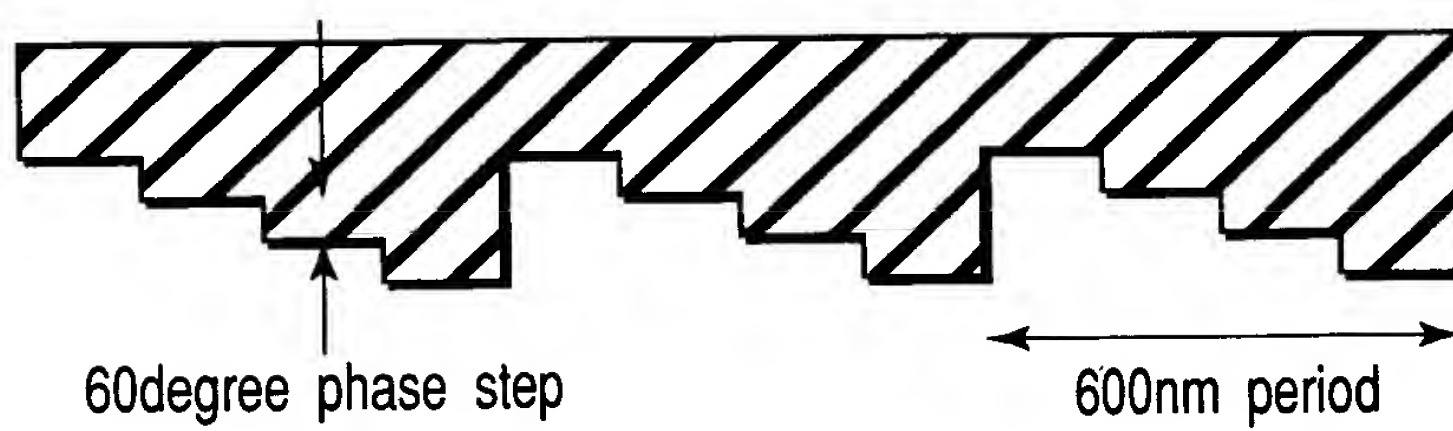


FIG. 7 Prior Art

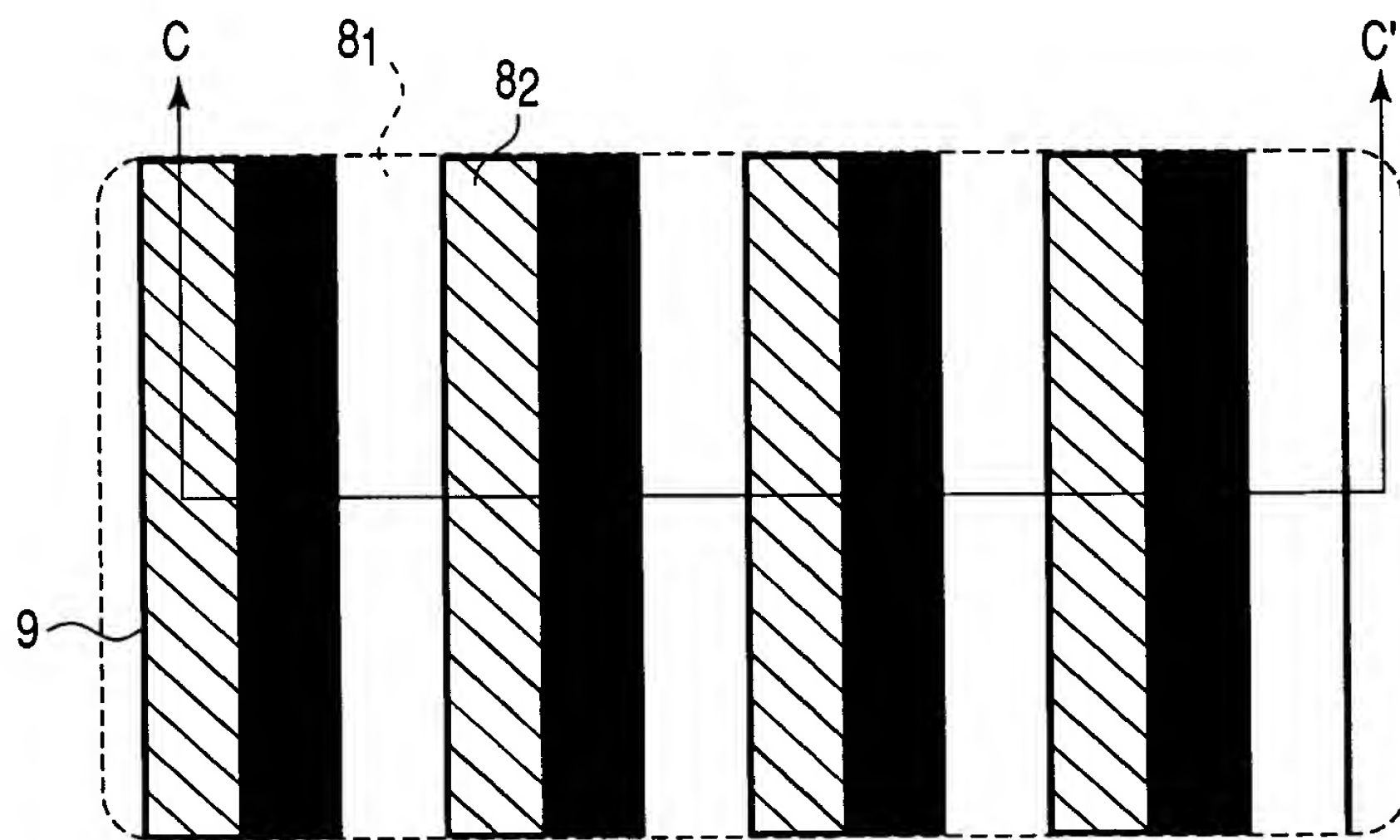


FIG. 9A

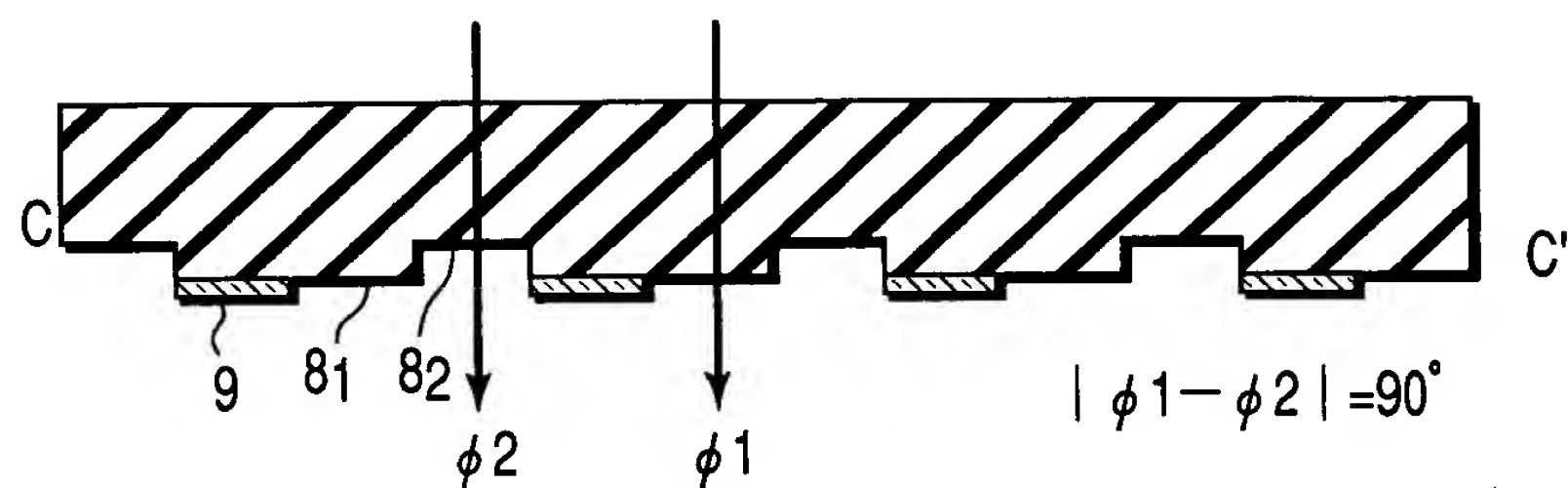


FIG. 9B

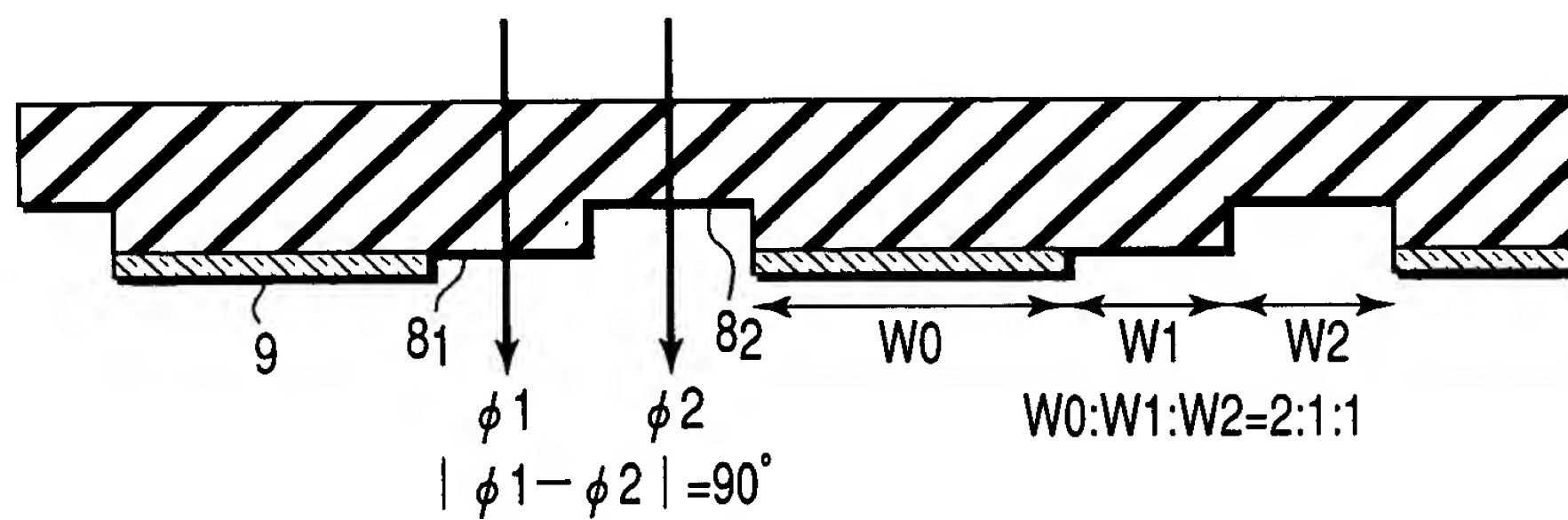


FIG. 10

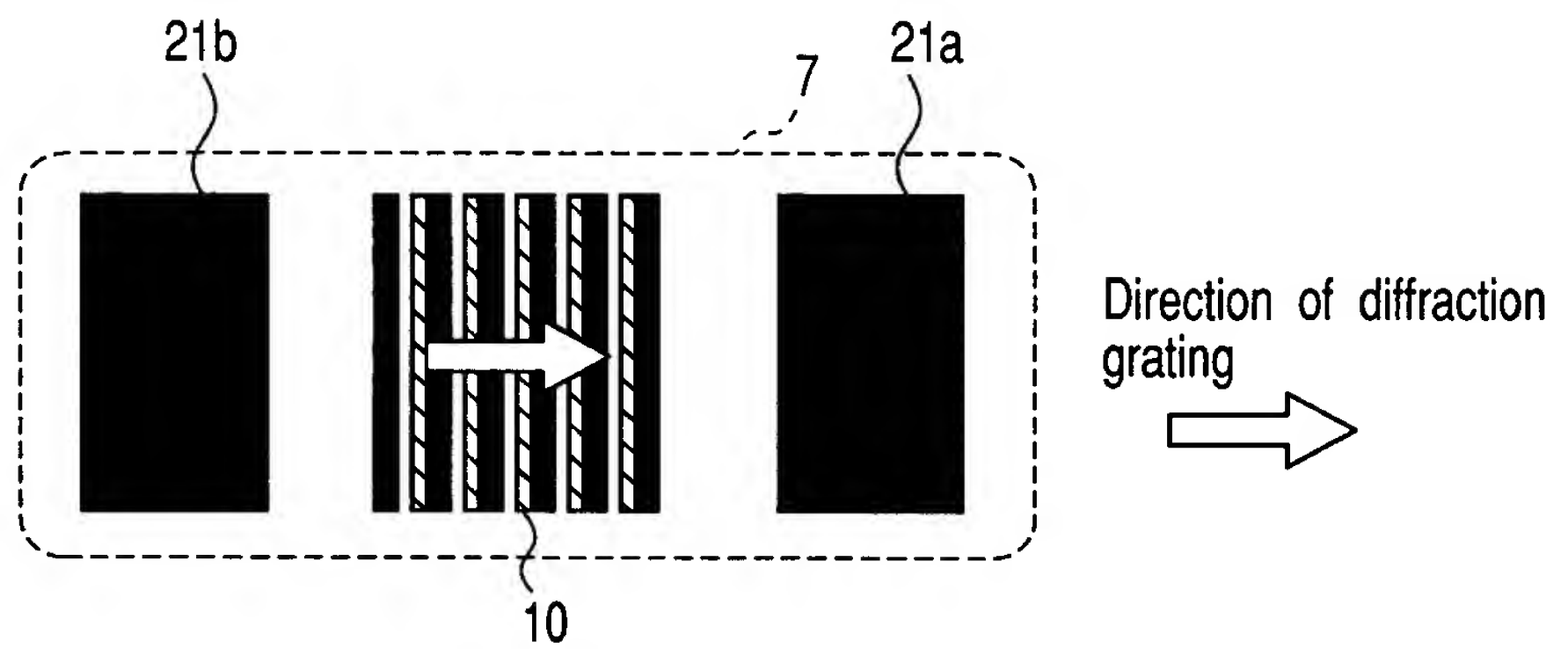


FIG. 13A

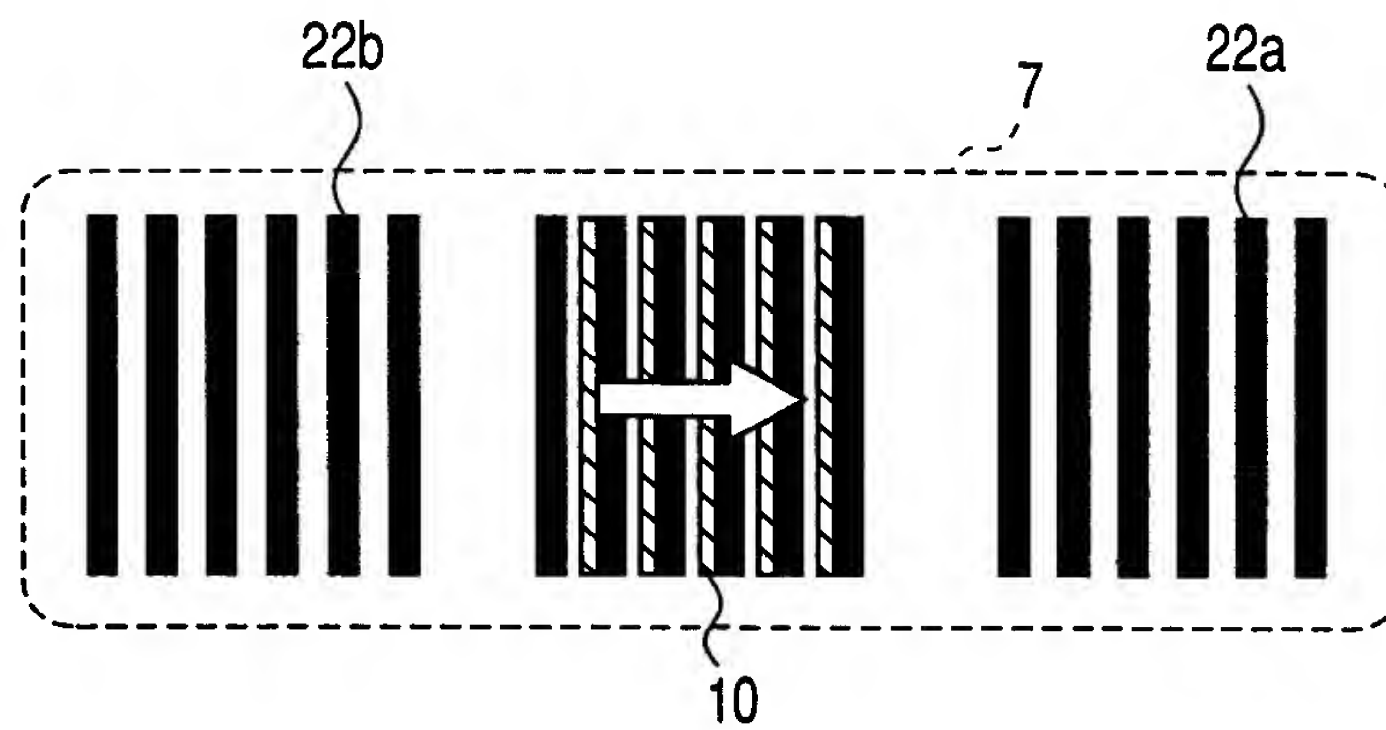


FIG. 13B

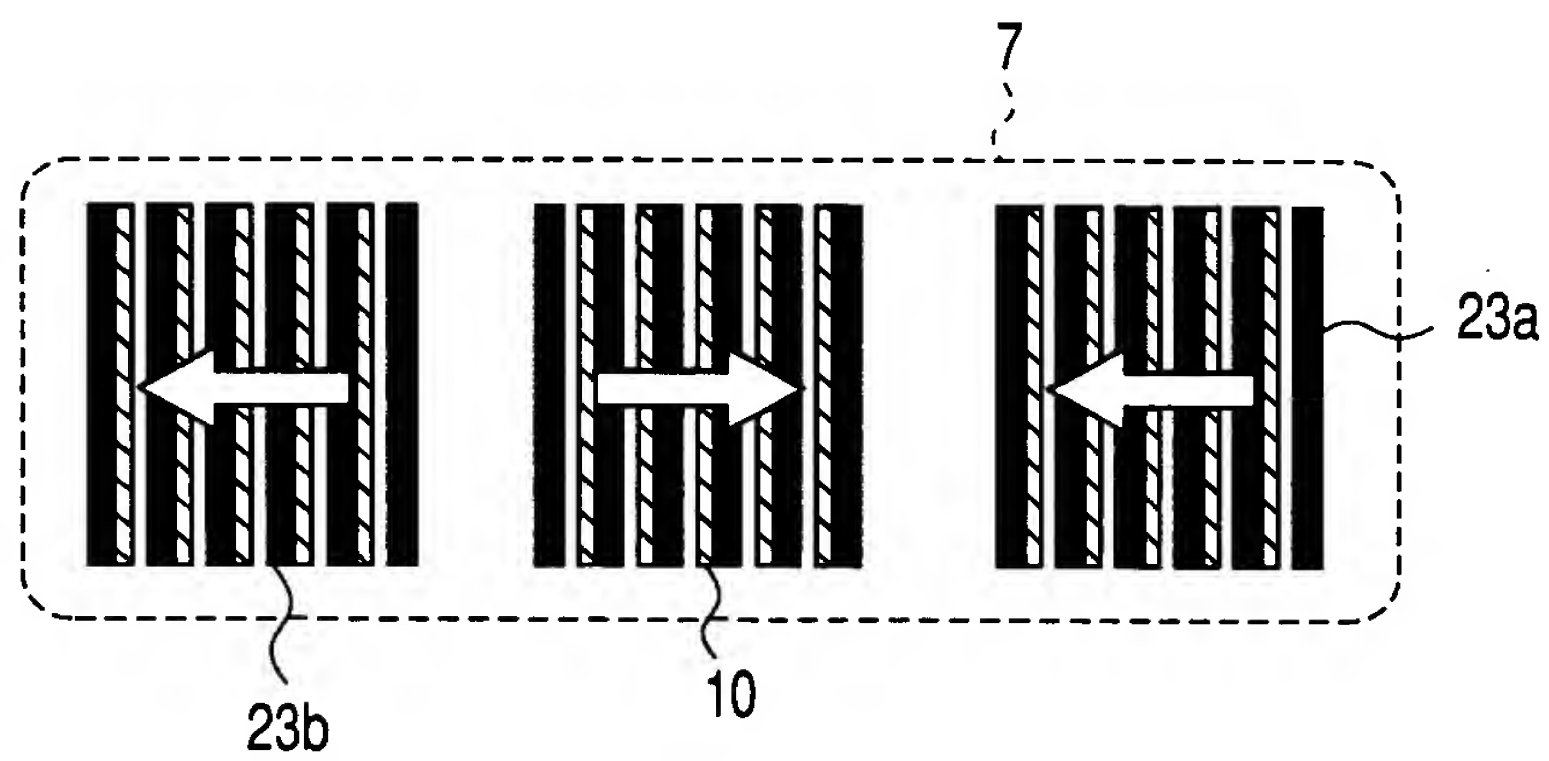


FIG. 13C

$\phi 1=0^\circ$, $\phi 2=90^\circ$, $W0:W1:W2=2:1:1$

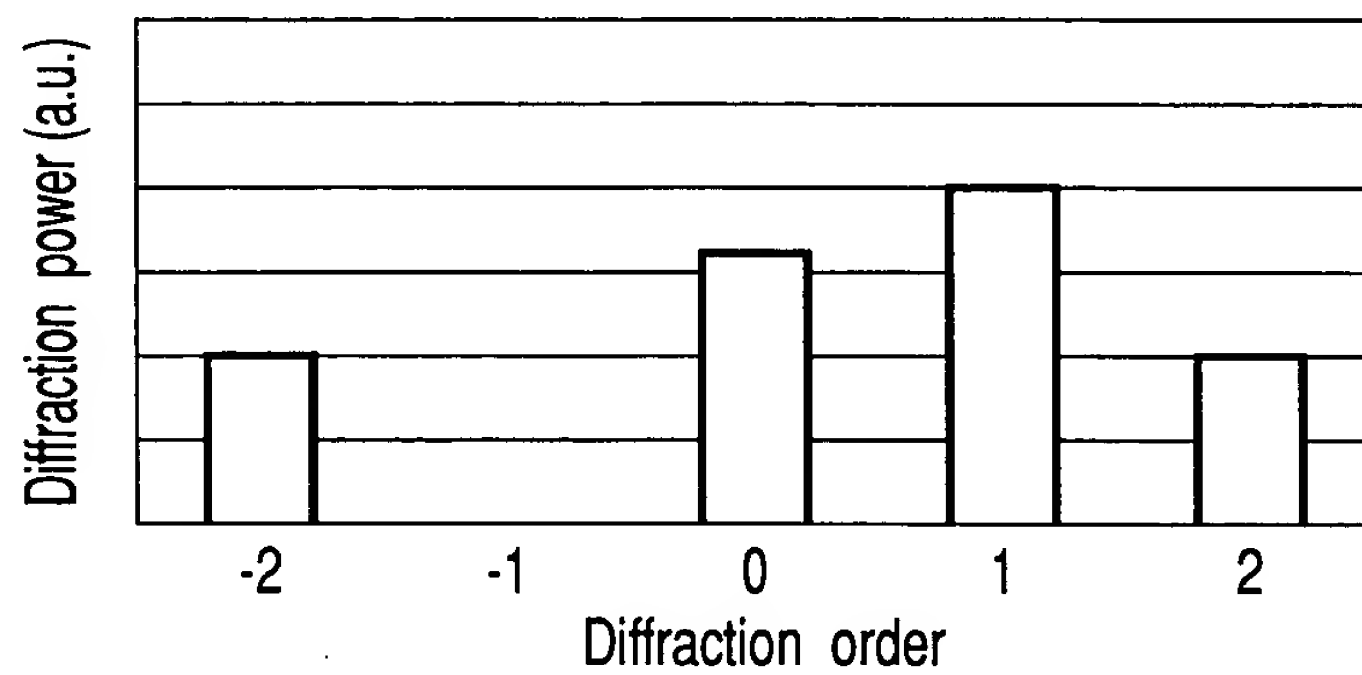


FIG. 11

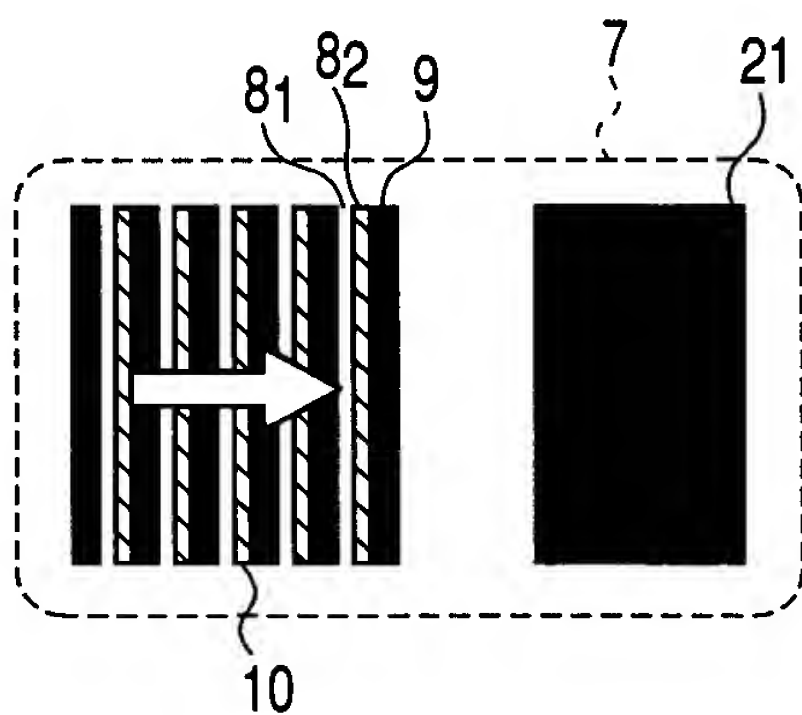


FIG. 12A

Direction of diffraction grating

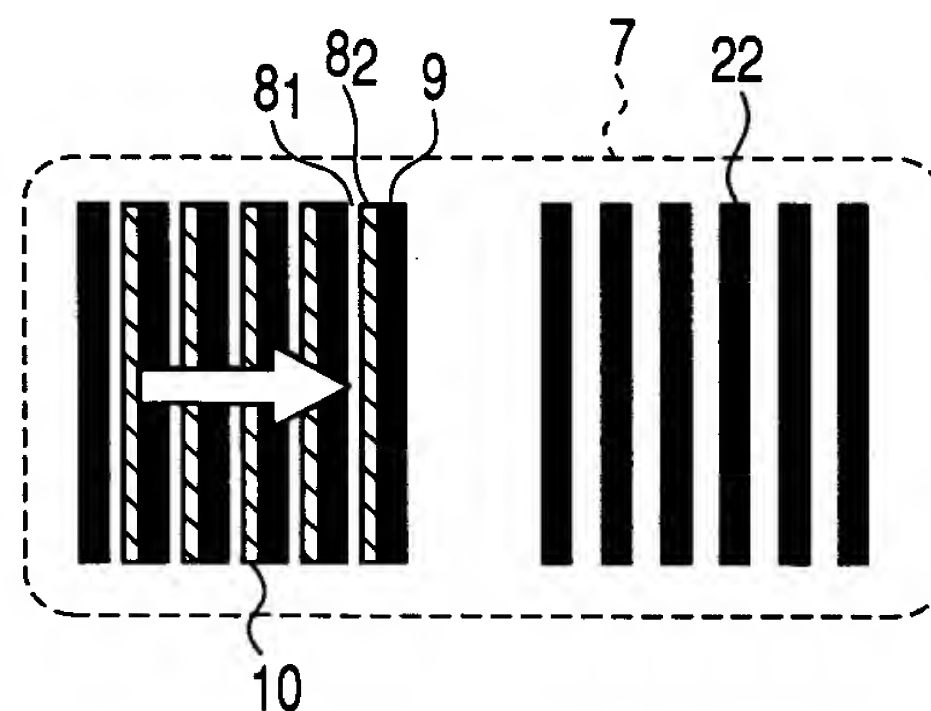


FIG. 12B

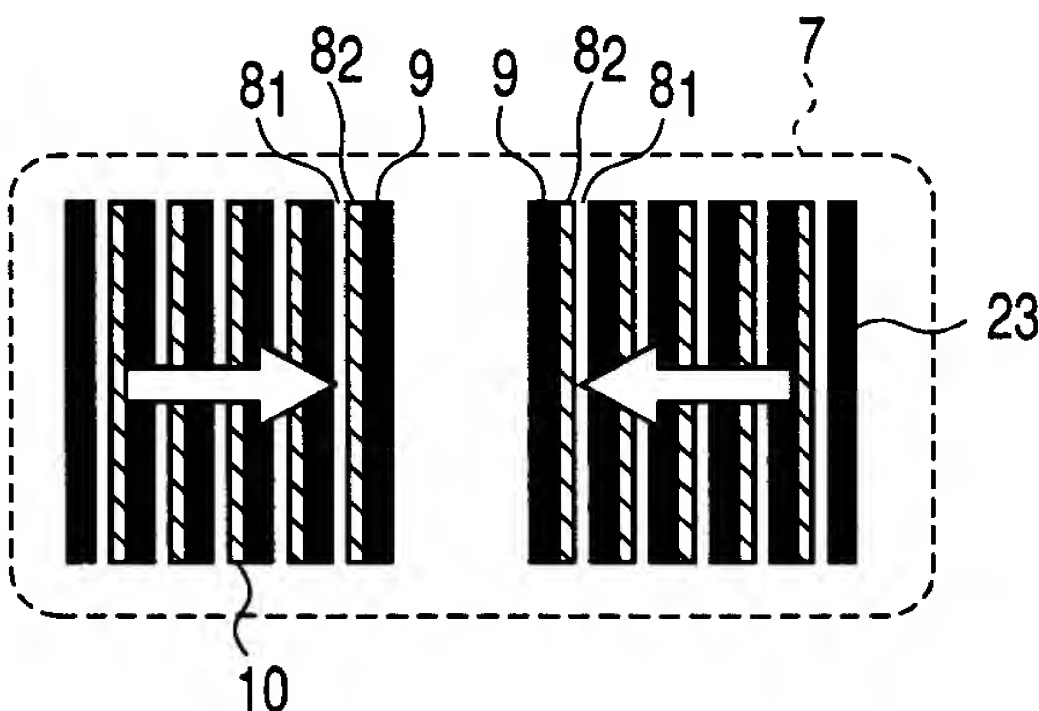


FIG. 12C

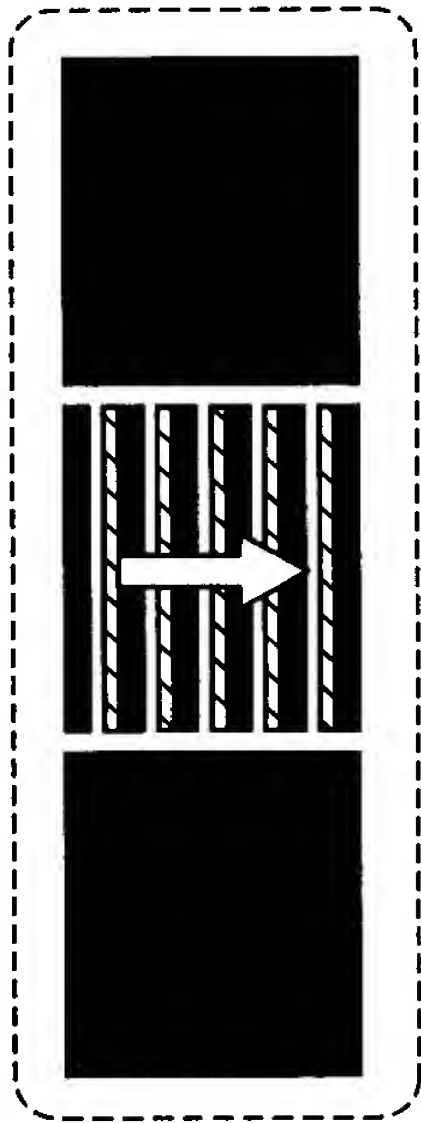


FIG. 14A

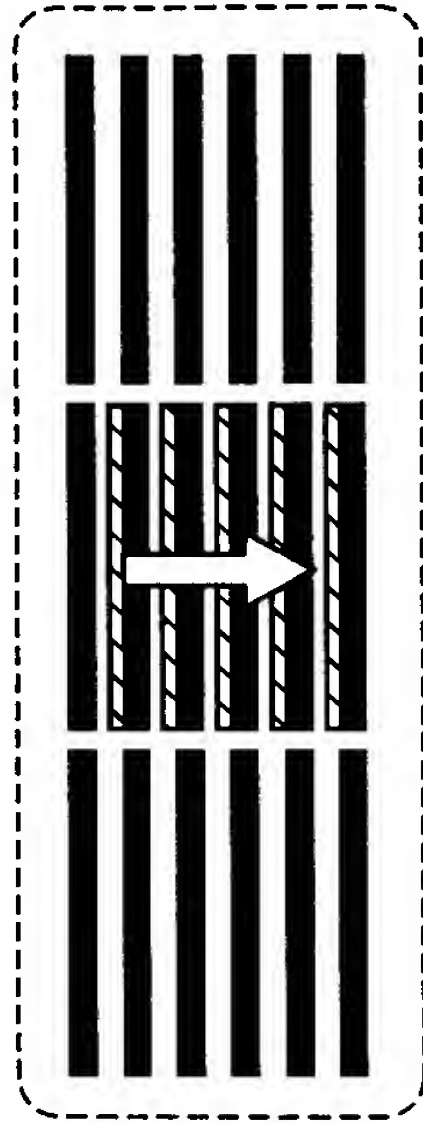


FIG. 14B

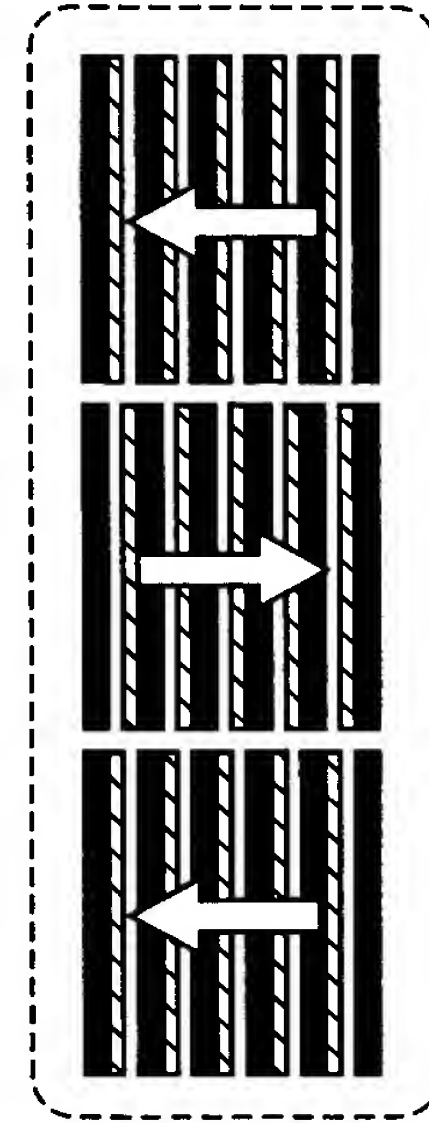


FIG. 14C

Test pattern

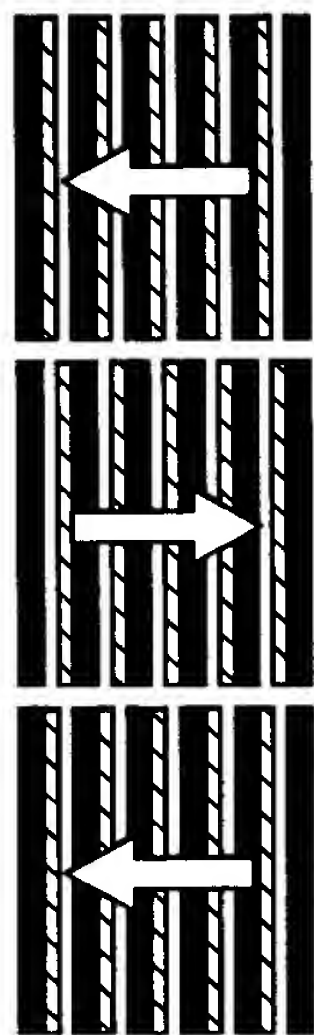


FIG. 15A

Resist pattern



FIG. 15B

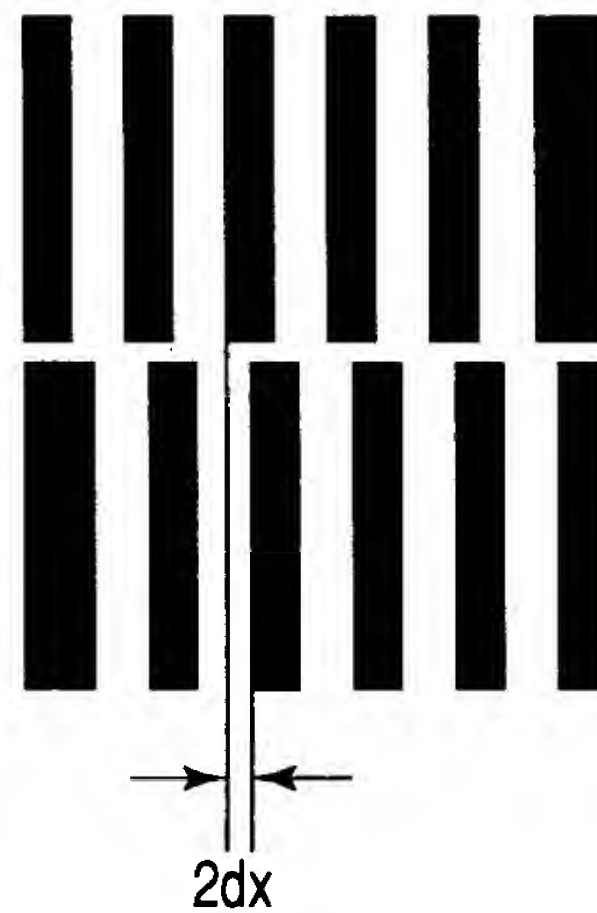


FIG. 15C

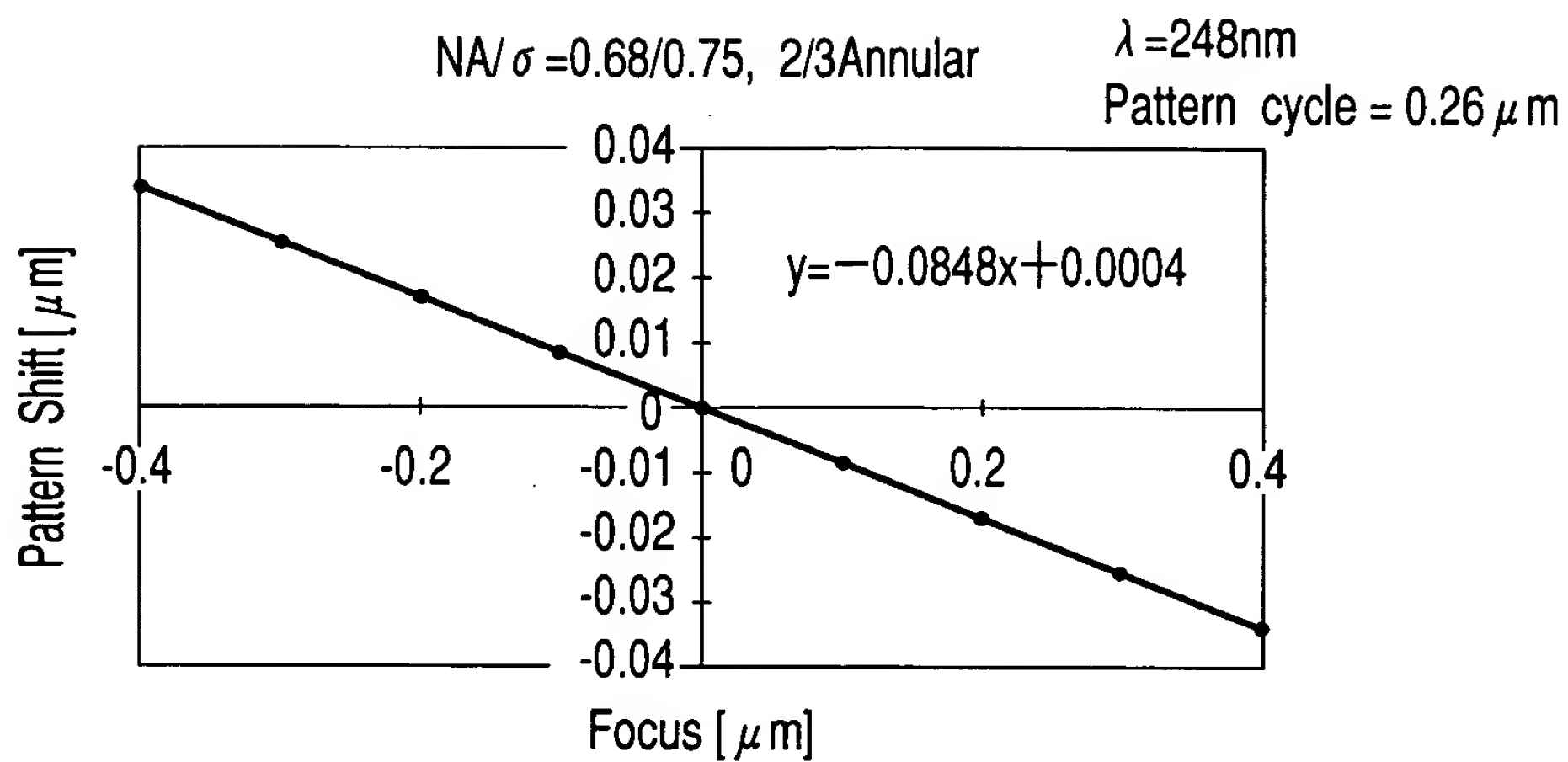


FIG. 16

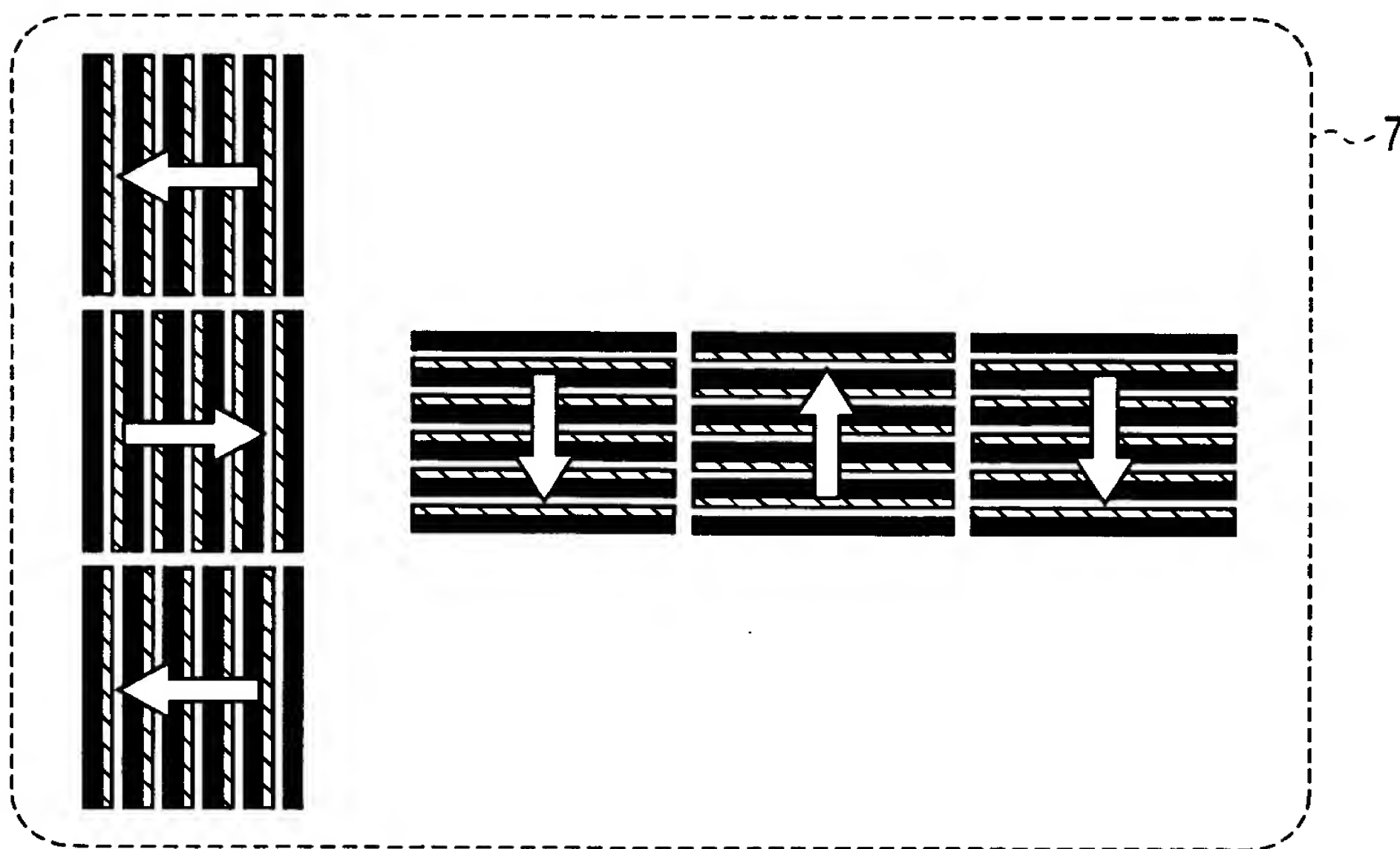


FIG. 17

Mask pattern

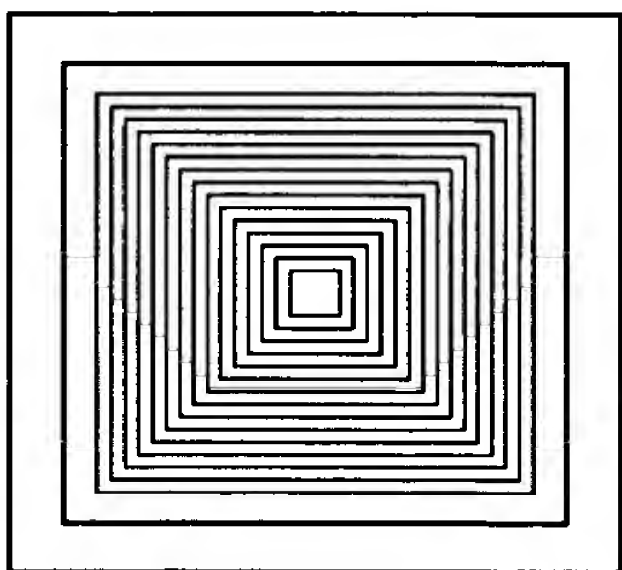


FIG. 18A Prior Art

Mask pattern

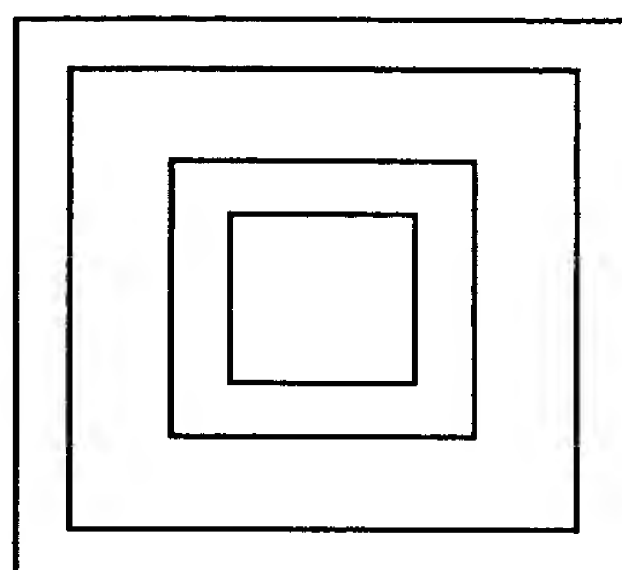


FIG. 18B Prior Art

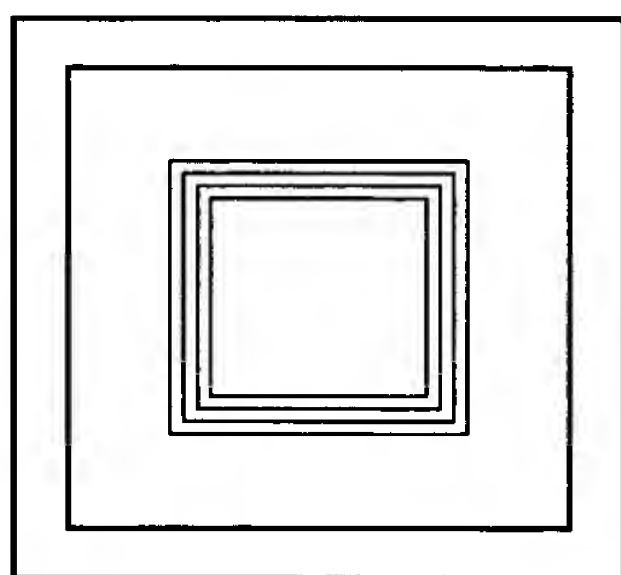


FIG. 19A Prior Art

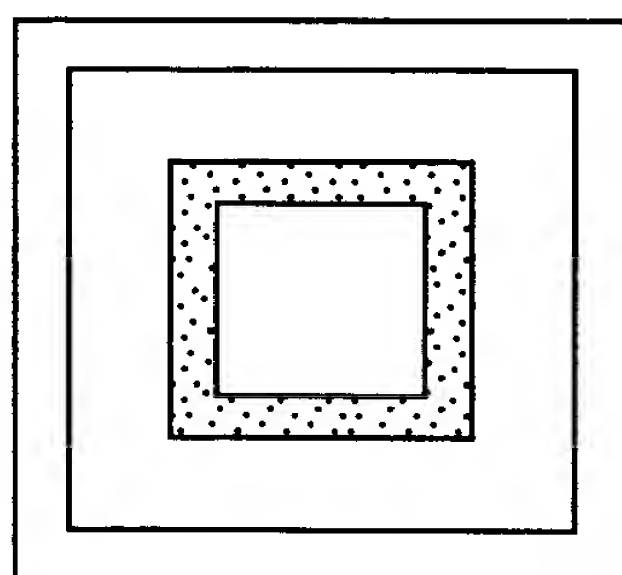


FIG. 19B Prior Art

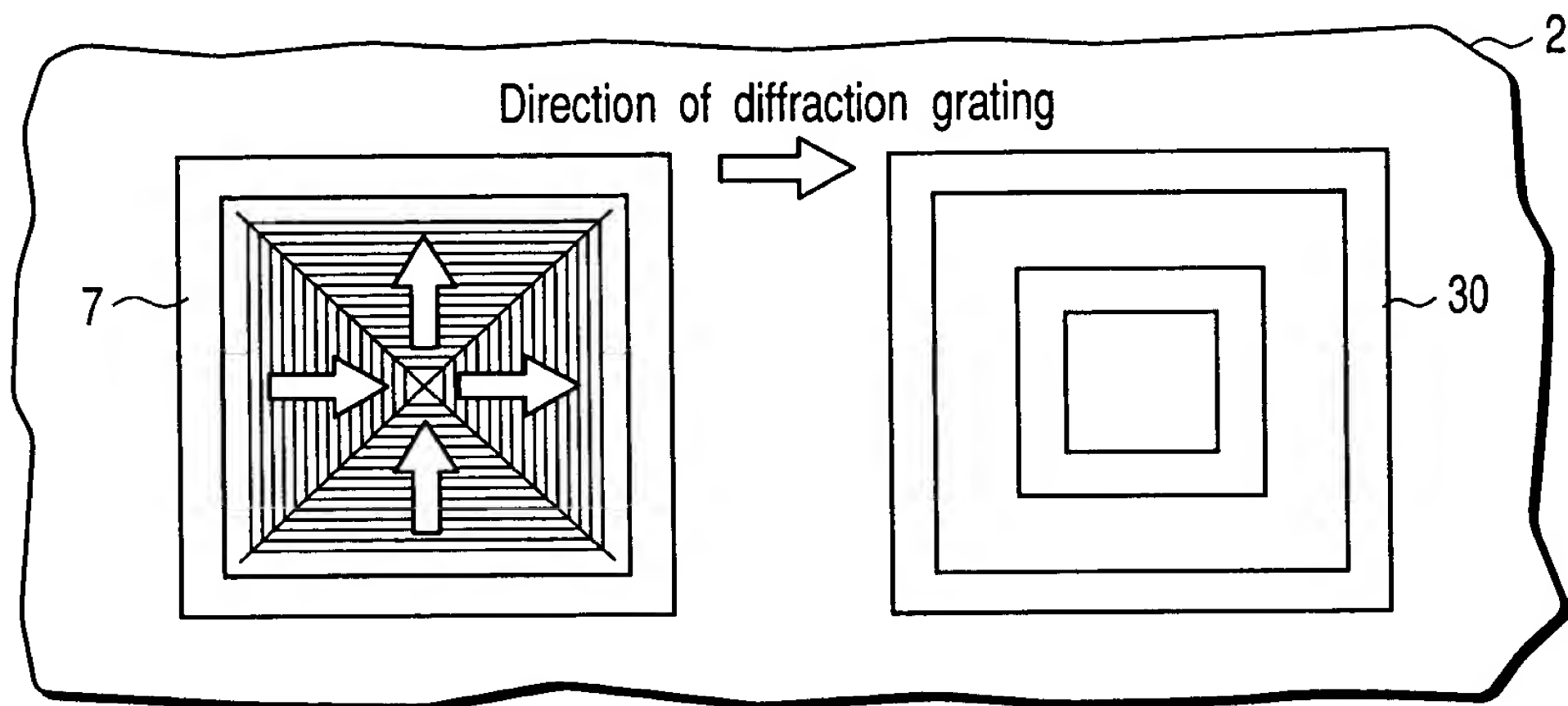


FIG. 20

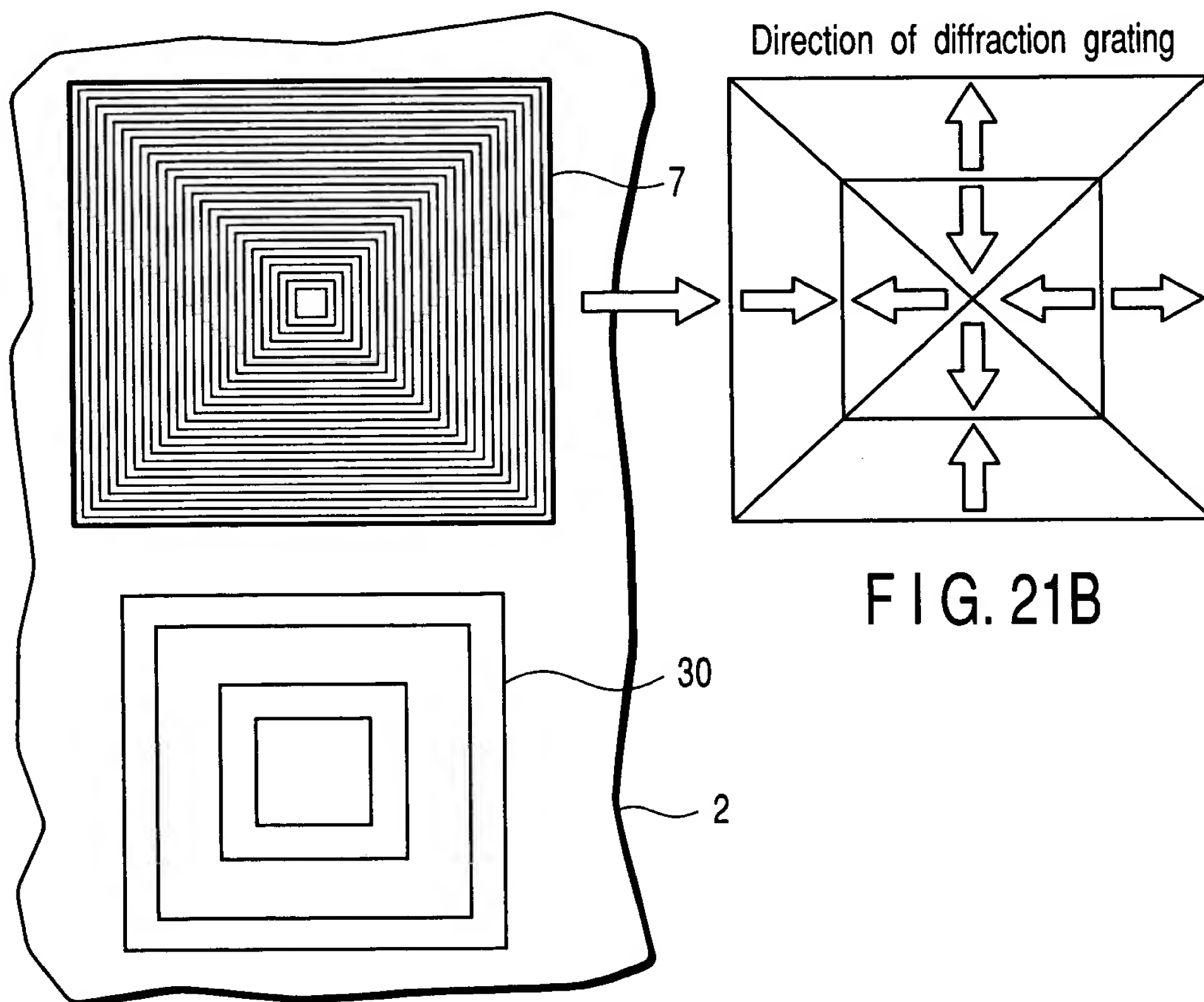


FIG. 21B

FIG. 21A

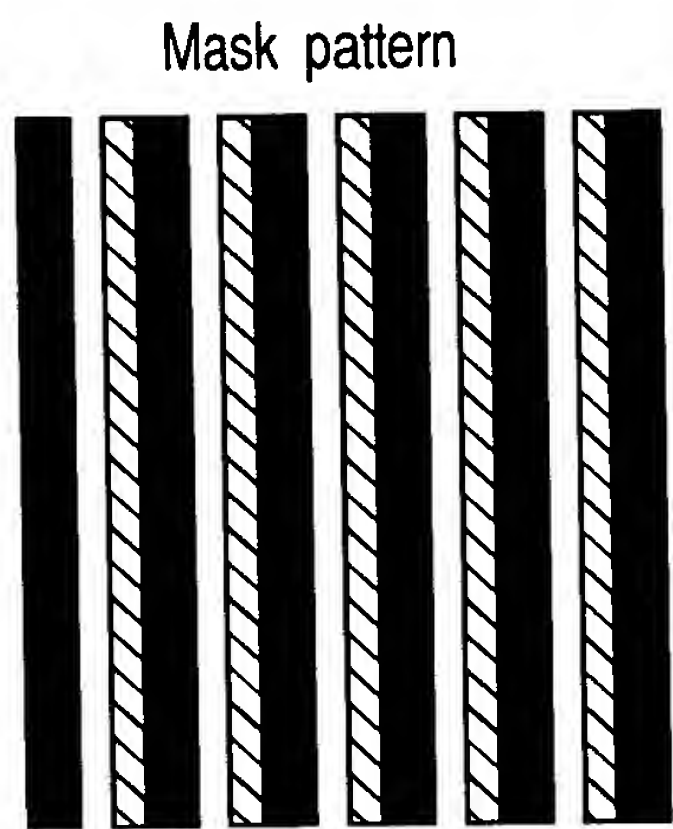


FIG. 22A

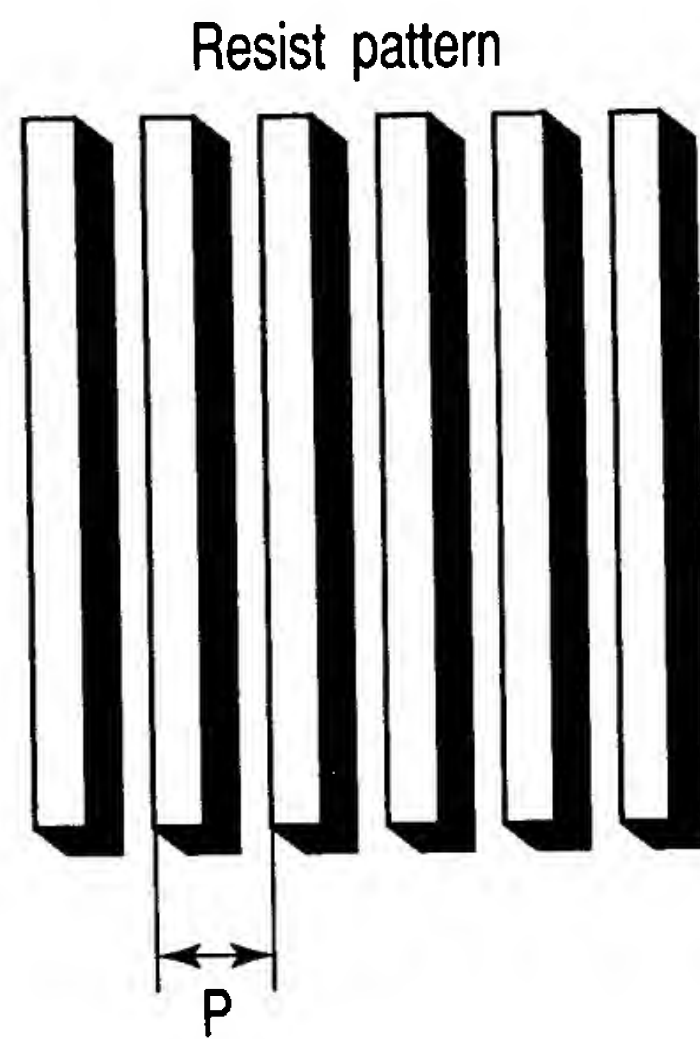


FIG. 22B

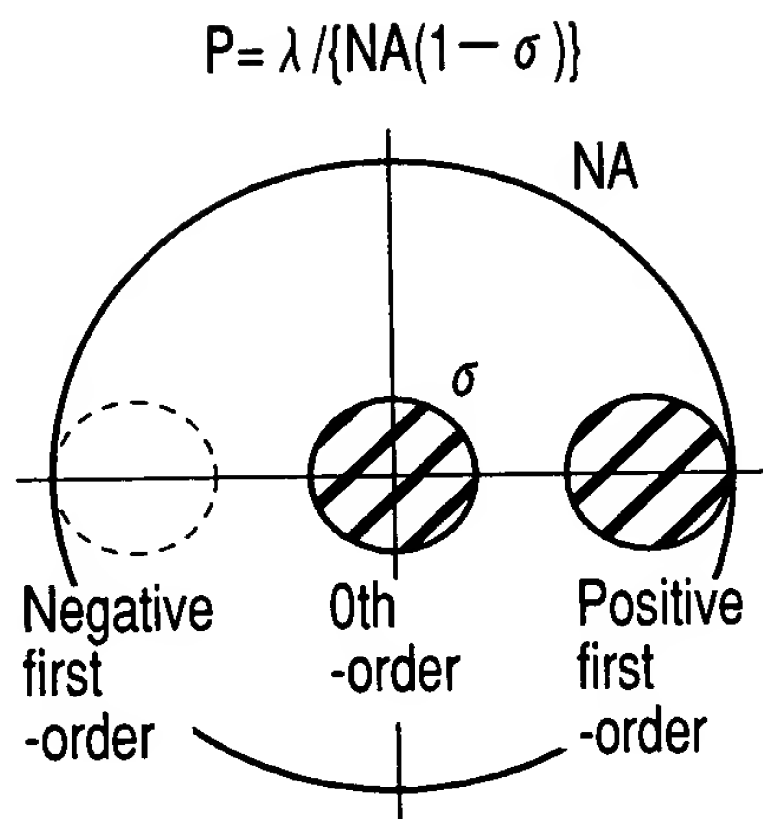


FIG. 23A

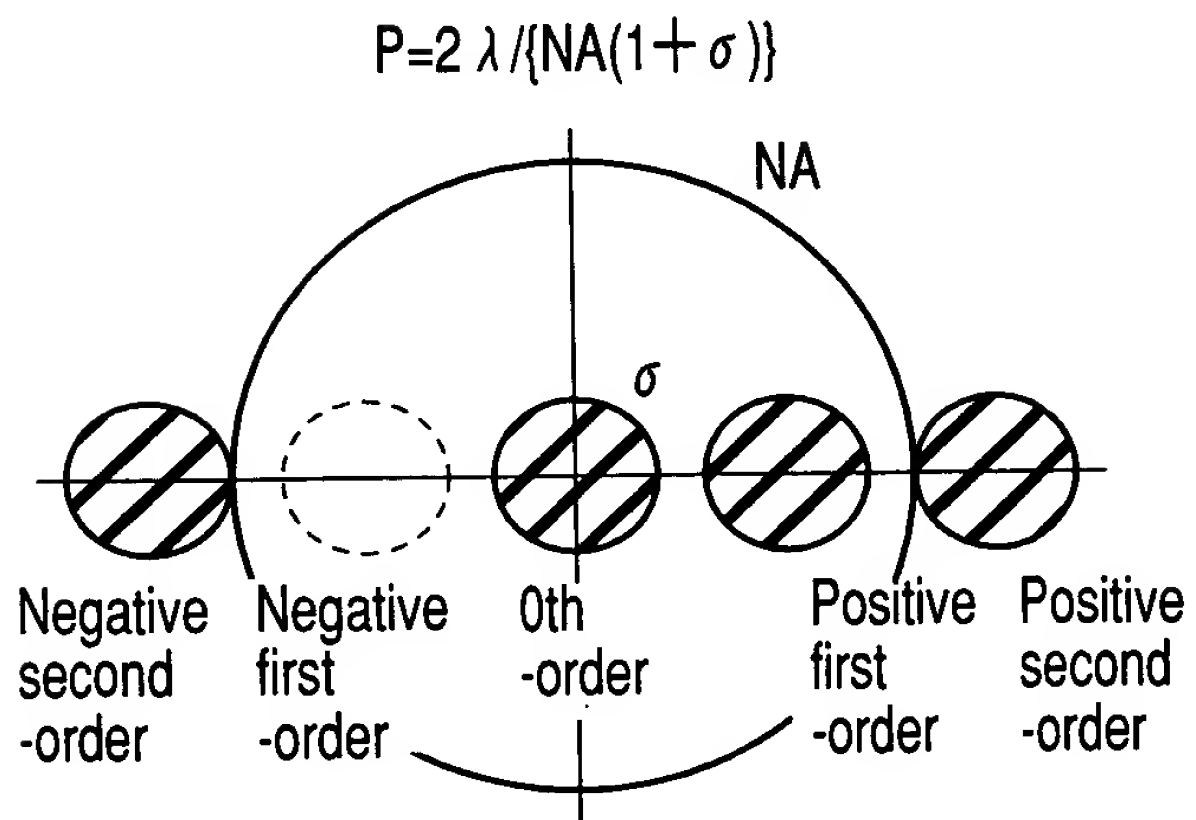


FIG. 23B

FIG. 24

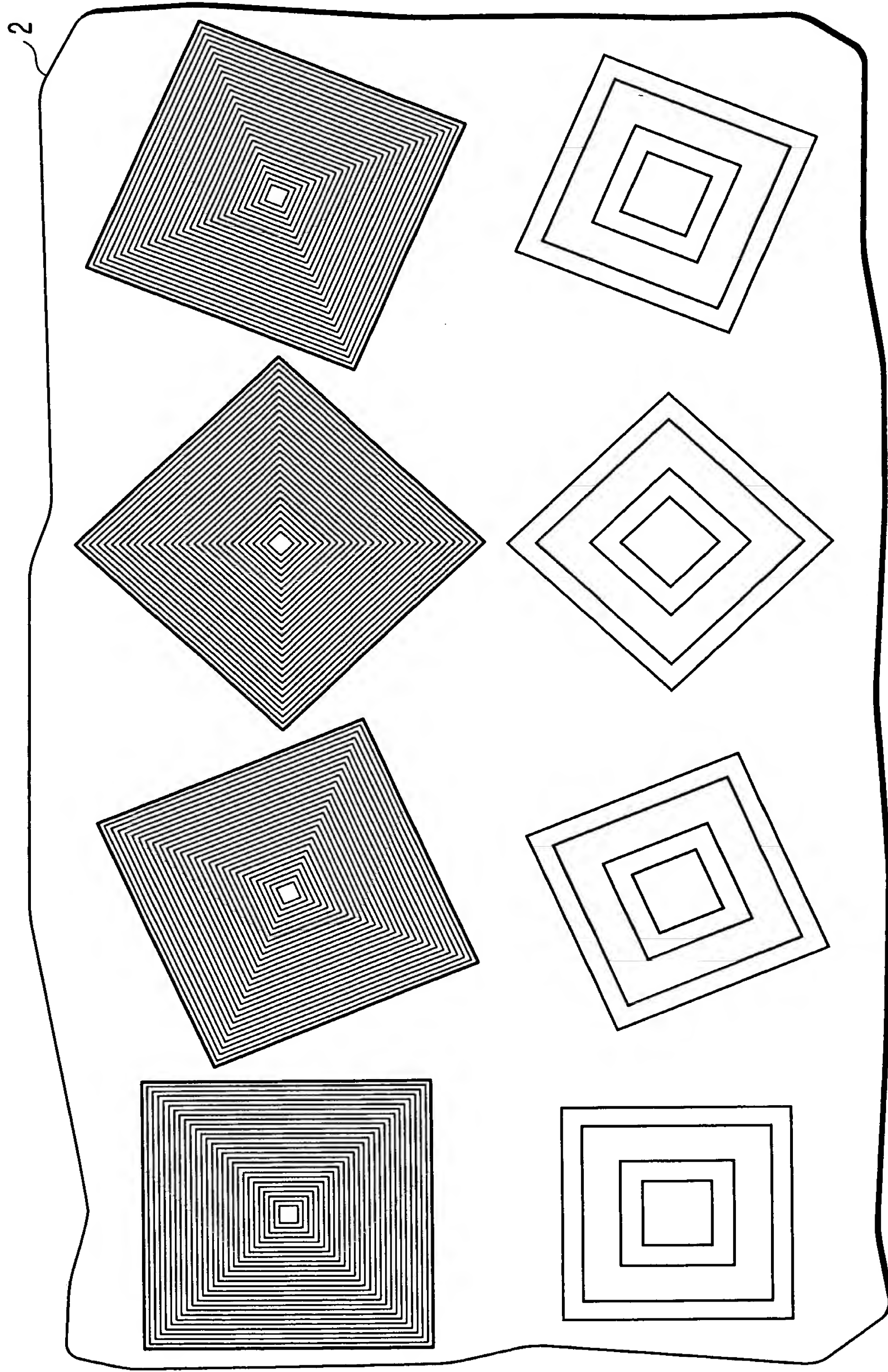


FIG. 24